



American Institute of Chemical Engineers

The Western Palmetto Informer

September 2019

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Contact Information

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Mixing Technology Fundamentals

**Michelle Laud & Steven Barnak
(Philadelphia Mixing Solutions)**

September 10, 2019

Mixers are ubiquitous in chemical plants, and often taken for granted. Do you know the best mixer design for your application, or how its design affects the performance of your process?

New product processes present challenges in heat transfer, mass transfer, and other challenging process kinetics requiring more sophistication than the repurposed equipment being used to produce them. Philadelphia Mixing Solutions has a track record in modelling, designing and deploying new mixing solutions, in a wide variety of demanding applications.

The presentation will explore the principle duties of a mixer: blending/heat transfer, solids suspension, and dispersion. It will be shown how mechanical component design (shafts, seals, couplings) and impeller design (radial, axial, mixed, low level) are used to fulfill the principle duties. Guidelines will then be given for sizing and scale-up of mixing in new product processes.

Presenters' Bio:

Michelle is a former long-time South Carolina resident and graduate of the University of South Carolina. She has a B.S. in Chemical Engineering from USC and an MBA from Wake Forest University. In May 2019, Michelle joined PMSL as Engineering Sales Manager.

Steven has a B.S. in Mechanical Engineering from Pennsylvania State University. He has over 12 years in the field of mixing and is the Regional Sales Manager of North and South Carolina for the Industrial Division at PMSL.

Meeting Details

September 10, 2019

Social - 6:00

Dinner - 6:30

Presentation - 7:00

RSVP (dinner only)

\$5 - Members

\$10 - Non-Members

sec@wscaiche.org

JACOBS

1041 East Butler Road
Greenville, SC 29607

From I-385 -

Take Exit 34 toward Mauldin

Turn left onto Brookfield Blvd

A New Year with WSCAICHe!

Summer is slowly waning, and school traffic has filled the roads again, and so - a new season of Western South Carolina AIChE meetings starts again, this coming Tuesday at 6 PM! We want our AIChE local section to provide opportunity to meet and know other chemical engineers. We also want our regular meetings to inform about engineering technologies, techniques, and trends. Sometimes the topics apply directly to our respective professions, and all times they are plain interesting! And as always, we provide PDH documentation for those maintaining certification.

With the changing of season, let's remember Mary Ferris, who left this world in April after a fight with cancer. She was WSCAICHe Chair, a long-time supporter of local section, and an all-round kind person. Friends and local section members know her welcoming manner, and she is missed.

There have been recent changes to the WSCAICHe officers. Steve Sferra has made important contributions to meeting programming and organization, and is now off to a new city. Ashley Sapyta joined the officers last year, and done invaluable work with the newsletter and communications. Thank you for your support!

There are many others who support WSCAICHe by attending meetings, arranging venues, providing meeting topics, serving as officers, providing dinner, presenting... a big Thank You to all who volunteer!

If you are reading this and have ideas about improving WSCAICHe and making it more worthwhile - let's talk, and let's make that change. Check out the 2019-2020 meeting calendar; I look forward to the upcoming year!

Jacob Lindler
2019-2020 Chair

2019 - 2020 Calendar

DATE	LOCATION	EVENT
09/10/2019	Jacobs Engineering	Fundamentals of Mixing - Designs and Applications
10/08/2019	Clemson University	Joint Meeting with Clemson AIChE - Professional Engineering Licensure
11/14/2019	Michelin Conference Center Note: THURSDAY meeting	Joint Meeting with Western Carolinas ACS - Carbon Fiber Production
12/2019	No Meeting	Enjoy the Holidays!
01/14/2020	Jacobs Engineering	Tips and Tricks for using Bluebeam Software in Engineering Projects
02/11/2020	Clemson University	Groundbreaking Chemical & Biomolecular Engineering Research
03/10/2019	Jacobs Engineering	Filtration Technologies - Design and Sizing Fundamentals
04/14/2019	TBD	Plant Tour
05/2019	TBD	May Social - Send us your ideas! sec@wscaiche.org

Officers and Executive Committee

This is YOUR local section of the American Institute of Chemical Engineers. If you have questions or concerns regarding operation of the WSC AIChE, or if you are a member that wants to help out, please contact any of the Officers or Executive Committee members listed below:

POSITION	NAME	COMPANY	E-MAIL
Chair	Jacob Lindler	aeSolutions	jllindler@yahoo.com
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